

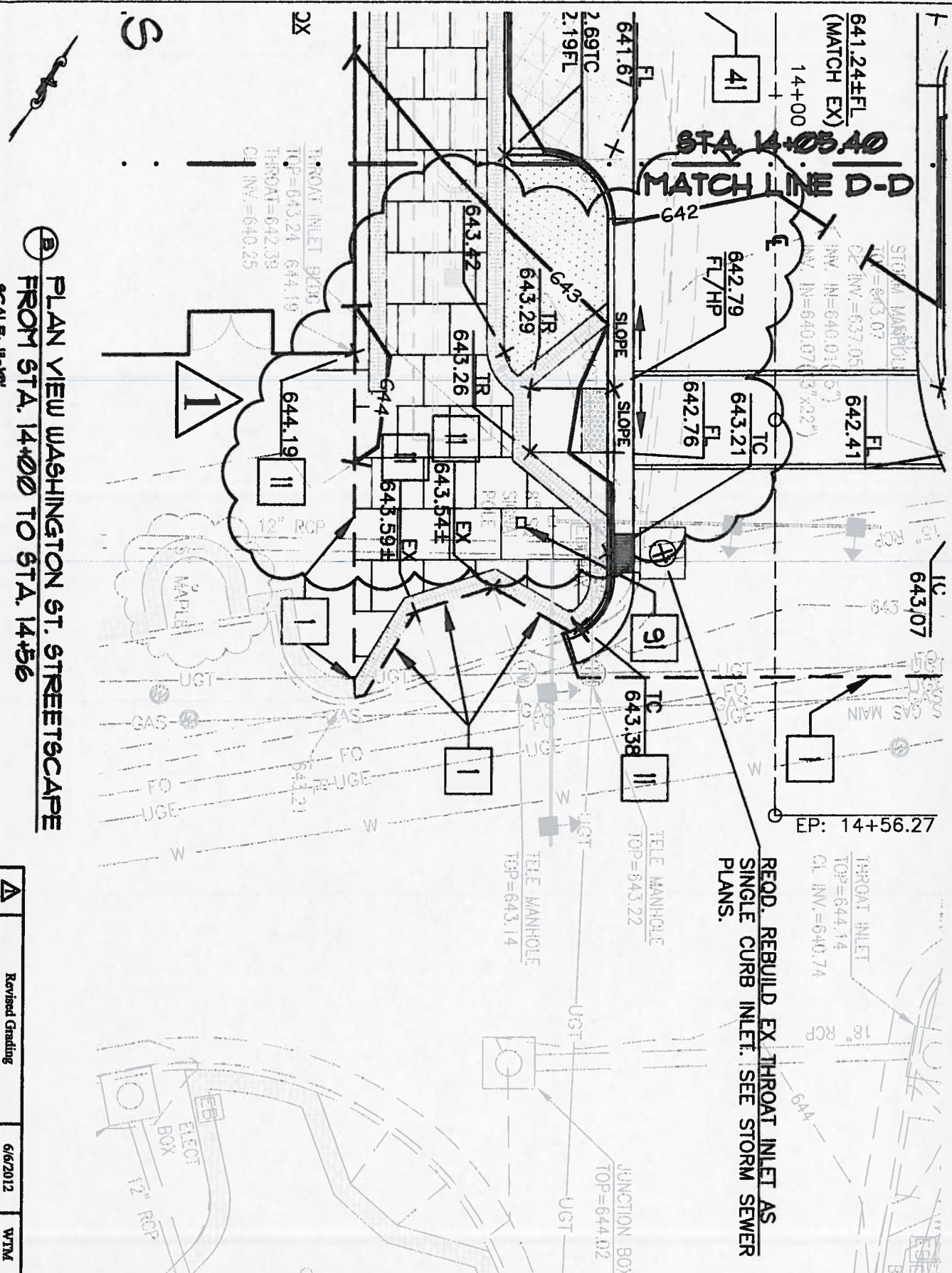
Ⓐ GRADING TRANSITION AT BASE BID LINE
SCALE: 1"=10'

NO.	Revision	Date	By
1	Added Detail "F", Sheet C24	6/14/2012	WTM

DETAIL "F", SHEET C24

Holmes Avenue and Washington Street Streetscape Improvements
CITY OF HUNTSVILLE
HUNTSVILLE, AL
PROJECT 65-11-0P26
DATE: JUNE 14, 2012

LAND DESIGN SOLUTIONS
6900 LINDA STREET
HUNTSVILLE, ALABAMA 35811
PH 256.714.1470



PLAN VIEW WASHINGTON ST. STREETSCAPE
FROM STA. 14+00 TO STA. 14+56

SCALE: 1"=10'

REQD. REBUILD EX THROAT INLET AS
SINGLE CURB INLET. SEE STORM SEWER
PLANS.

NO.	Revision	Date	By
1	Revised Grading	6/6/2012	WTM

PARTIAL PLAN OF GRADING PLAN, SHEET C12

Holmes Avenue and Washington Street Streetscape Improvements
CITY OF HUNTSVILLE
HUNTSVILLE, AL

DATE: JUNE 14, 2012

LAND DESIGN SOLUTIONS

6996 LINDA STREET
HUNTSVILLE, ALABAMA 35811

PH 256.714.1470

1	OF 1
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- NOTES: RAMP FOR THE HANDICAPPED
1. THE EXPANSION JOINT IS TO BE REPLACED WHERE THE NEW RAMP OR SIDEWALK IS PLACED.
 2. THE EXPANSION JOINT MATERIAL, PER DETAIL.
 3. THE SIDEWALK SHALL BE FREE OF ALL ROOTS AND OTHER UNDERGROUND MATERIALS WITH THE ROOTS CUT BACK ONE (1) FOOT FROM FACE OF SIDEWALK.
 4. HANDICAP RAMP SHALL BE CONSTRUCTED AS DETAIL HEREIN.
 5. EXPANSION JOINTS SHALL BE PROVIDED IN THE CURB RAMP AS EXPANSION JOINTS FOR A NEW CONCRETE RAMP. A 1/2" EXPANSION JOINT SHALL BE PROVIDED IN THE EXISTING CONCRETE RAMP. LINES SHOWN ON THIS DRAWING INDICATE THE RAMP EDGE AND SLOPE CHANGES AND ARE NOT NECESSARILY JOINT LINES.

* 5'-0" WHEN ADJACENT AREA IS GRESSED (UNLESS SHOWN OTHERWISE ON PLAN)
5'-0" WHEN ADJACENT AREA IS PAVED

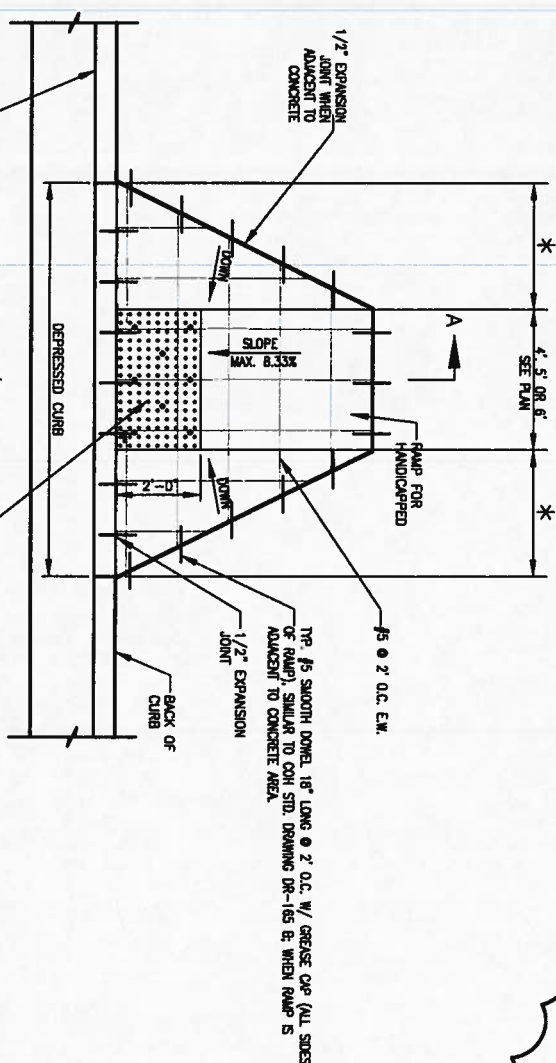
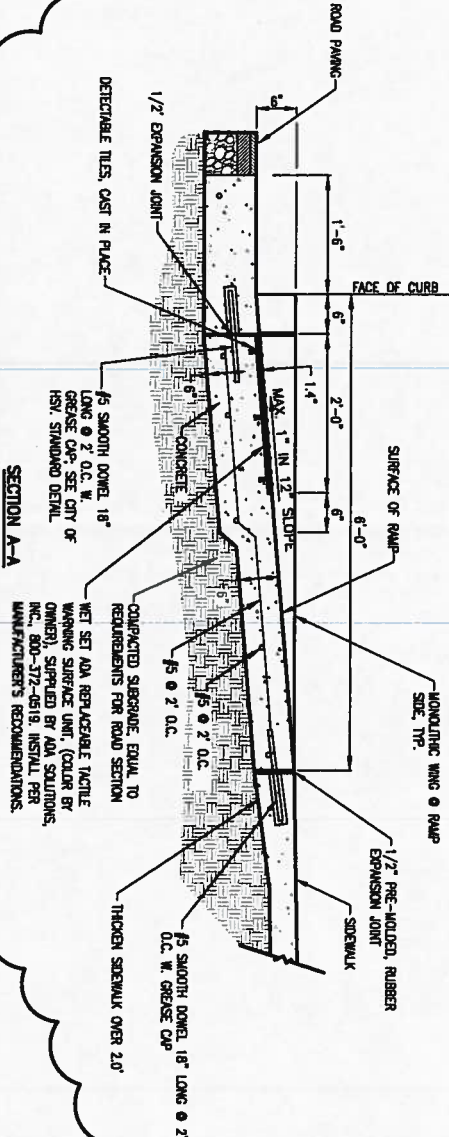


PLAN VIEW

WET SET ADA REPLACEABLE TACTILE WARNING SURFACE UNIT, (COLOR BY OWNER), SUPPLIED BY ADA SOLUTIONS, INC., 800-372-0519, INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

SECTION A-A HANDICAPPED RAMP (NO RADIUS)

NOT TO SCALE



NO.	Revision	Date	By
1	Changed Detail "A"	6/14/2012	WTM

REVISED DETAIL "A", SHEET C22

Holmes Avenue and Washington Street Streetscape Improvements
CITY OF HUNTSVILLE
HUNTSVILLE, AL

PROJECT 95-11-0P26

DATE: JUNE 14, 2012

LAND DESIGN SOLUTIONS

6996 LINDA STREET
HUNTSVILLE, ALABAMA 35811

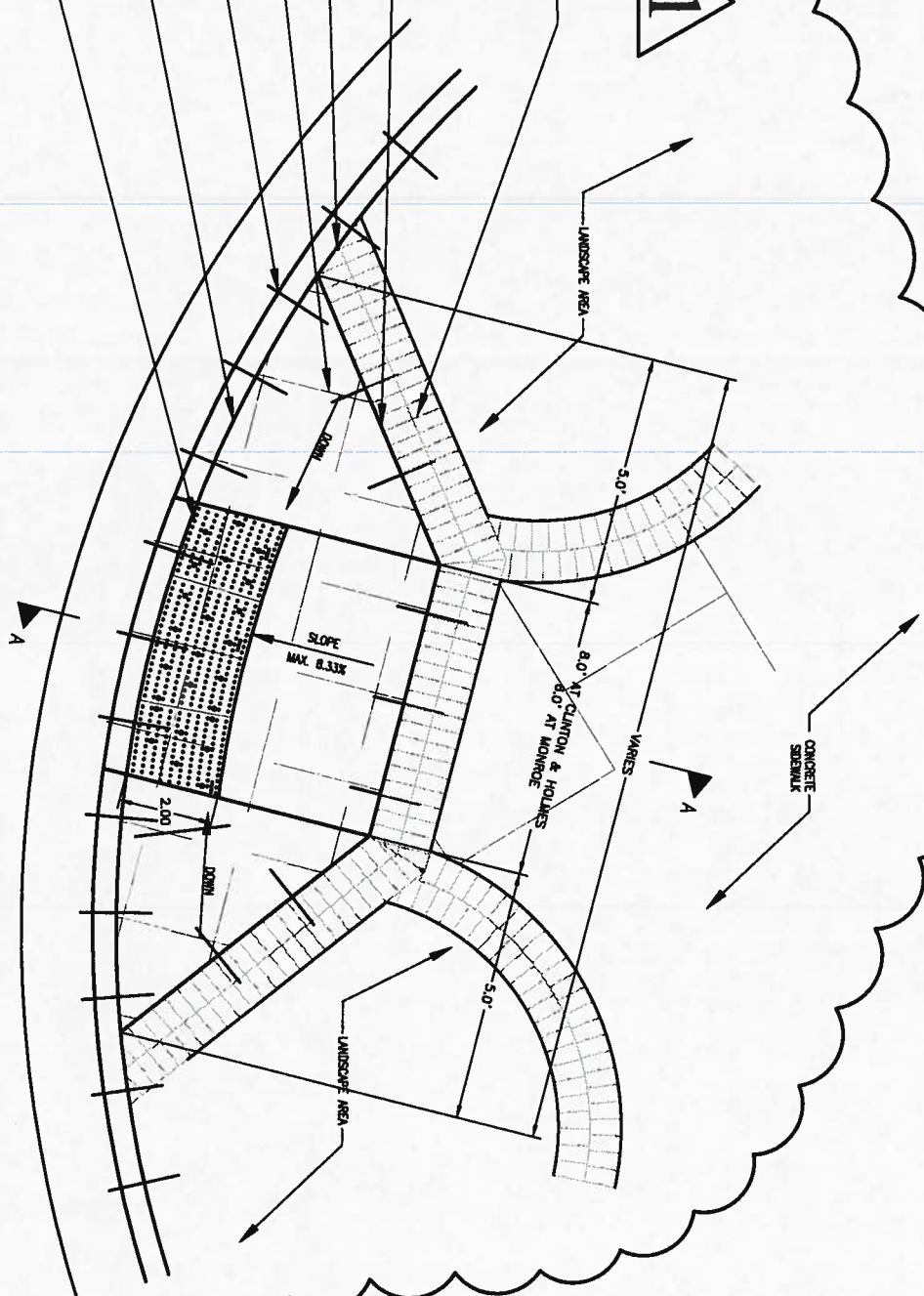
PR 258 714-1470

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NOTE:
CLINTON ST & HOLMES AVE DOUBLE BRICK HEADER COURSE, TYP
MONROE ST SINGLE BRICK HEADER COURSE, TYP

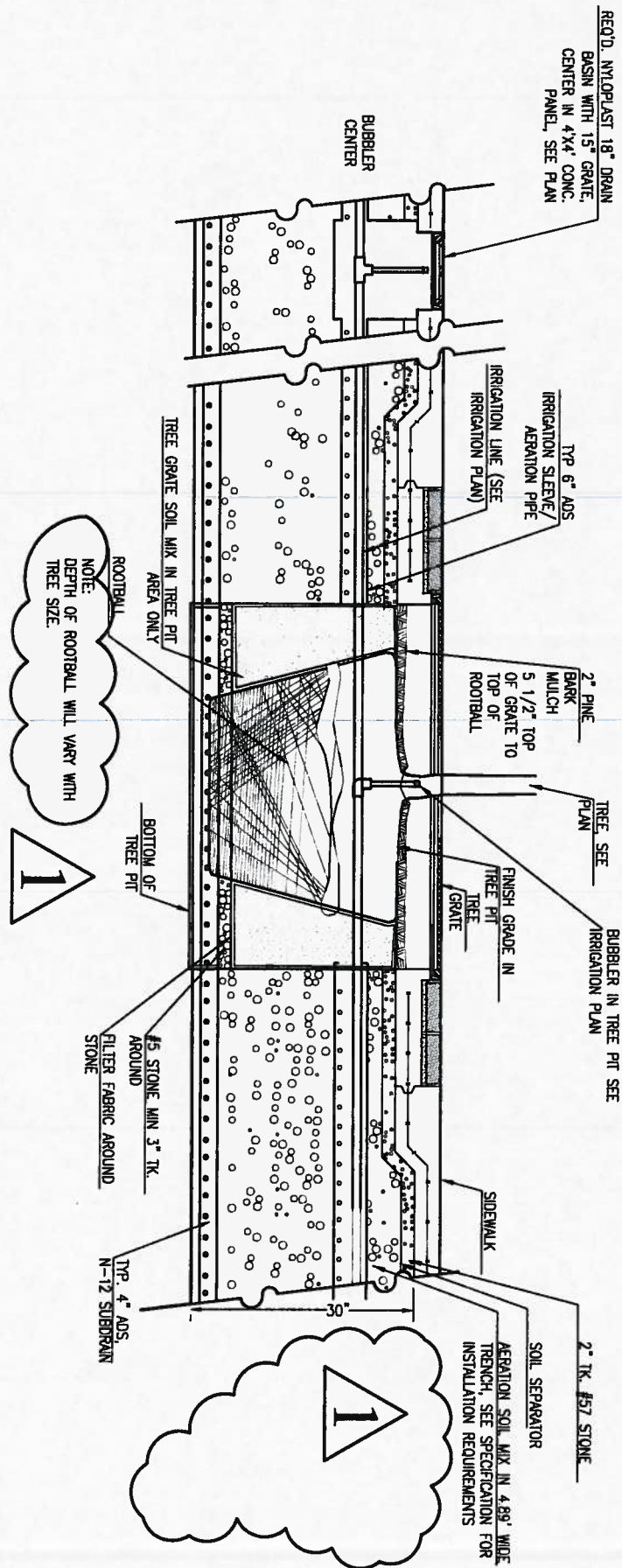
1/2" EXPANSION JOINT, TYP
BACK OF CURB
JS @ 2' O.C. E.W.
TYP JS SADDLE DOWEL 18" LONG @ 2' O.C. W/ GREASE CAP (ALL SIZES OF RAMP), SIMILAR TO CON STD. DRAWING PR-165 B
1/2" EXPANSION JOINT @ BACK PTF CURB
WET SET MAX REPLACEABLE FACILE
WARRING SURFACE UNIT (HMAK, PATENTED) (COLOR BY OWNER), SUPPLIED BY AIA SOLUTIONS, INC., 1000-372-0019, RESISTAL PER MANUFACTURER'S RECOMMENDATIONS.

B HANDICAPPED RAMP IN RADIUS AT HOLMES AVE, CLINTON STREET AND MONROE STREET INTERSECTIONS
SCALE: NOT TO SCALE



NO.	Δ	Changed Detail "B"	6/14/2012	WTM
		Revision	Date	By

L LONGITUDINAL SECTION THROUGH TREE PIT
NOT TO SCALE



NO.	Removed Text	6/14/2012	WTM
Revision		Date	By

REVISED DETAIL "L", SHEET C22

Holmes Avenue and Washington Street Streetscape Improvements
CITY OF HUNTSVILLE
HUNTSVILLE, AL

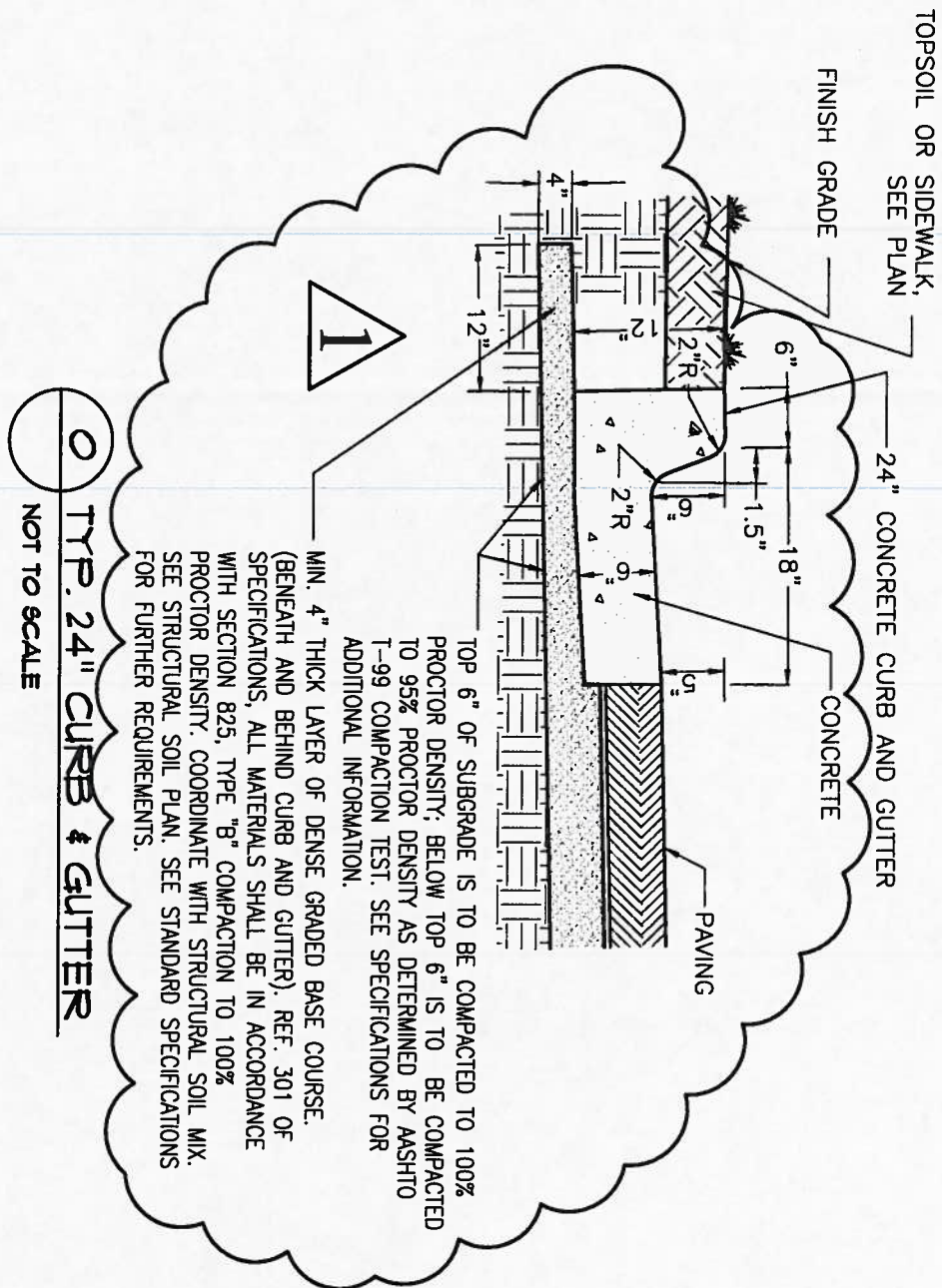
DATE: JUNE 14, 2012

PROJECT 955-11-8P26

LAND DESIGN SOLUTIONS

6896 LINDA STREET
HUNTSVILLE, ALABAMA 35811

PH 256-714-1470



0 TYP. 24" CURB & GUTTER

NOT TO SCALE

Δ	Revised Detail "O"	6/14/2012	WTM
NO.	Revision	Date	By

REVISED DETAIL "O", SHEET C23

Holmes Avenue and Washington Street Streetscape Improvements
CITY OF HUNTSVILLE
HUNTSVILLE, AL

PROJECT 955-11-6P26

DATE: JUNE 14, 2012

LAND DESIGN SOLUTIONS

6996 LINDA STREET
HUNTSVILLE, ALABAMA 35811

PH 256.714.1478

MIN. 4" THICK LAYER OF DENSE GRADED BASE COURSE. (BENEATH AND BEHIND CURB AND GUTTER). REF. 301 OF SPECIFICATIONS, ALL MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 825, TYPE "B" COMPACTION TO 100% PROCTOR DENSITY. COORDINATE WITH STRUCTURAL SOIL MIX. SEE STRUCTURAL SOIL PLAN. SEE STANDARD SPECIFICATIONS FOR FURTHER REQUIREMENTS.

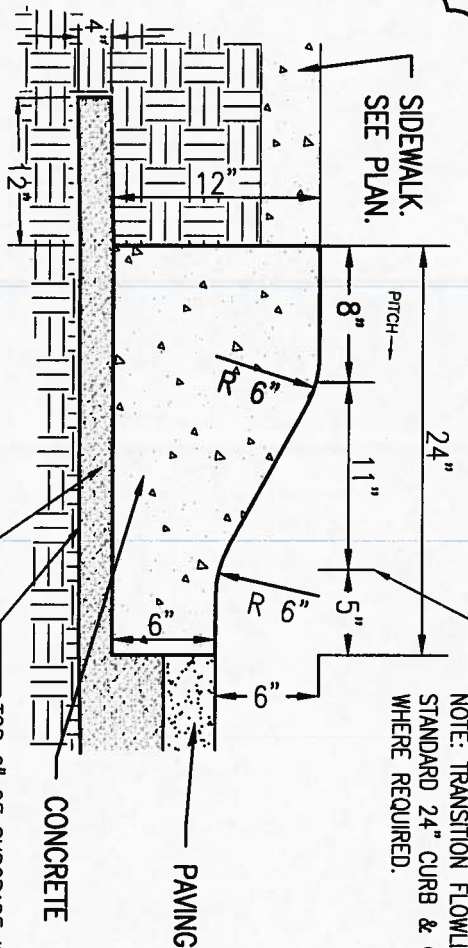
TYPE "H" SLOPING CURB
(ALDOT SPECIAL NO. 623-XV)

P TYP. 24" MOUNTABLE CURB & GUTTER

NOT TO SCALE



TOP 6" OF SUBGRADE IS TO BE COMPACTED TO 100% PROCTOR DENSITY; BELOW TOP 6" IS TO BE COMPACTED TO 95% PROCTOR DENSITY AS DETERMINED BY ASHTO T-99 COMPACTION TEST. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



NOTE: TRANSITION FLOWLINE TO STANDARD 24" CURB & GUTTER WHERE REQUIRED.

NO.	Revised Detail "P"	6/14/2012	WTM
1	Revision		By

REVISED DETAIL "P", SHEET C23

Holmes Avenue and Washington Street Streetscape Improvements
CITY OF HUNTSVILLE
HUNTSVILLE, AL

PROJECT 65-11-0P26

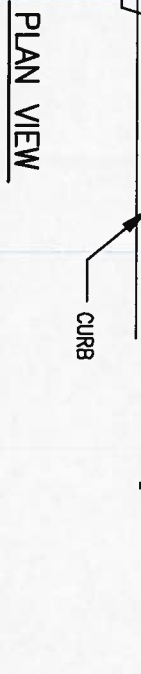
DATE: JUNE 14, 2012

LAND DESIGN SOLUTIONS

6096 LINDA STREET
HUNTSVILLE, ALABAMA 35812

PH 256-714-1470

12" X 18" ONE HOUR PARKING SIGN (BY OTHERS) OR REQ'D APPROVED 12" X 18" HANDICAP PARKING SIGN, OR REQ'D NO PARKING/LOADING ZONE SIGN. SEE PLAN AND PLAN NOTES FOR LOCATIONS.



PLAN VIEW

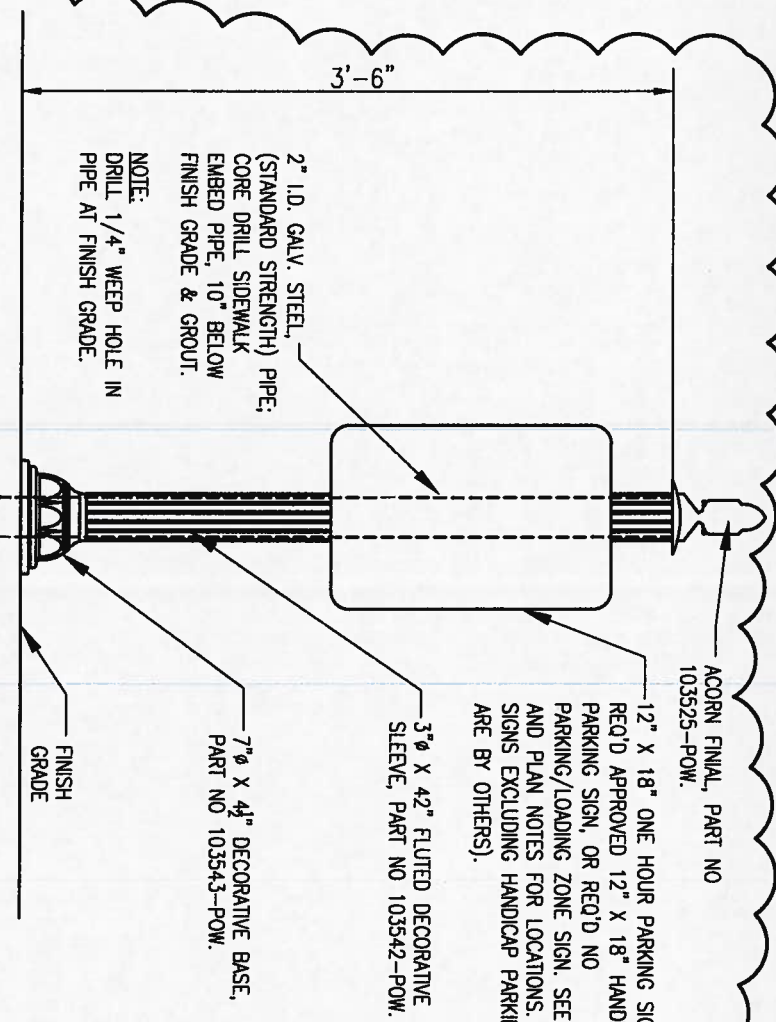
Q

DECORATIVE 42" HEIGHT POST AND SIGN

NOT TO SCALE

NOTE:
DRILL 1/4" WEEP HOLE IN PIPE AT FINISH GRADE.

FRONT ELEVATION VIEW



ACORN FINIAL, PART NO 103525-POW.
12" X 18" ONE HOUR PARKING SIGN OR REQ'D APPROVED 12" X 18" HANDICAP PARKING SIGN, OR REQ'D NO PARKING/LOADING ZONE SIGN. SEE PLAN AND PLAN NOTES FOR LOCATIONS. (ALL SIGNS EXCLUDING HANDICAP PARKING SIGNS ARE BY OTHERS).

3" Ø X 42" FLUTED DECORATIVE SLEEVE, PART NO 103542-POW.

7" Ø X 4 1/2" DECORATIVE BASE, PART NO 103543-POW.

NOTE:

- CUSTOM COLOR REQ'D RAL-6015; INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ACORN FINIAL, DECORATIVE SLEEVE AND DECORATIVE BASE AS SUPPLIED BY POM, INC. CONTACT: AMY ADKINSON, 1-800-331-7275
- 25 POSTS AND ASSEMBLIES REQ'D IN BASE BID AREA
- 14 POSTS AND ASSEMBLIES REQ'D IN ALTERNATE ONE AREA

NO.	Added Detail "Q"	6/14/2012	WTM
	Revision	Date	By

ADD DETAIL "Q", SHEET C23

Holmes Avenue and Washington Street Streetscape Improvements
CITY OF HUNTSVILLE
HUNTSVILLE, AL

PROJECT #05-11-8P26

DATE: JUNE 14, 2012

LAND DESIGN SOLUTIONS

6996 LINDA STREET
HUNTSVILLE, ALABAMA 35811

PH 256-714-3478

LUMINAIRE SCHEDULE NOTES

1. LAMP TYPES AND DESCRIPTION:
 - a. PULSE START METAL HALIDE - CLEAR OR FROSTED AS RECOMMENDED BY MANUFACTURER.
2. FURNISH PROPER LAMP FOR REFLECTOR ASSEMBLY SPECIFIED AS RECOMMENDED BY LUMINAIRE MANUFACTURER.
3. FURNISH ALL RAPID START LAMPED LUMINAIRES WITH ENERGY EFFICIENT LAMPS AND ELECTRONIC BALLAST.
 - a. FURNISH SOLID STATE HIGH FREQUENCY RAPID START BALLAST FOR FLUORESCENT LUMINAIRES. BALLAST SHALL HAVE MINIMUM THREE YEAR MANUFACTURER'S WARRANTY.
 - b. BALLAST SHALL BE HIGH FREQUENCY (20 KHz OR GREATER), OPERATE WITHOUT DETECTABLE FLICKER, AND SHALL PROVIDE FULL LIGHT OUTPUT. BALLAST SHALL BE U.L. CLASS P RATED FOR THERMAL PROTECTION AND RATED AT 50 DEGREES F STARTING TEMPERATURE. BALLAST SHALL NOT CONTAIN PCB TYPE MATERIAL.
 - c. BALLAST SHALL COMPLY WITH FCC AND NEMA LIMITS GOVERNING EMI AND RFI AND SHALL NOT INTERFERE WITH OPERATION OF OTHER NORMAL ELECTRICAL EQUIPMENT. TOTAL HARMONIC DISTORTION SHALL BE LESS THAN 20%. BALLAST SHALL BE SOUND RATED A, AND SHALL HAVE A CREST FACTOR OF 1.7 OR LESS.

ACCEPTABLE LAMP MANUFACTURER: GE, SYLVANIA, PHILIPS (UNLESS SPECIFICALLY NOTED OTHERWISE)

ACCEPTABLE BALLAST MANUFACTURER: ADVANCE MARK V, EBT, MOTOROLA MAGNETEK TRIAD HP

4. FURNISH PLASTER FRAMES FOR ALL RECESSED LUMINAIRES IN PLASTER CEILINGS.
5. CONTRACTOR SHALL VERIFY EXACT TYPE CEILINGS BEING FURNISHED AND SUPPLY BASIC LUMINAIRES SPECIFIED IN APPROPRIATE CONFIGURATION FOR CEILING TO BE FURNISHED.
6. FURNISH FLUORESCENT LUMINAIRES WITH JOINING PLATES, END CAPS, CANOPIES, MOUNTING HARDWARE, ETC., AS REQUIRED FOR COMPLETE INSTALLATION.
7. LUMINAIRE MOUNTING AND SUSPENSION SHALL BE AS APPROVED BY ENGINEER AND NO COMBUSTIBLE MATERIALS SHALL BE USED.
8. PROVIDE DEVICES FOR SECURING LUMINAIRE TO CEILING GRID TO COMPLY WITH ARTICLE 410-16C OF THE 1990 NATIONAL ELECTRICAL CODE FOR ALL LAY-IN TYPE LUMINAIRES. BENT TAB TYPE NOT ACCEPTABLE.
9. FURNISH LUMINAIRES IN CONTINUOUS ROWS OR PATTERNS AS SHOWN ON DRAWINGS. PROVIDE CORNERS AND ANGLES WITH MOUNTING HARDWARE. FURNISH FACTORY PAINTED COLOR SELECTED BY ARCHITECT.
10. FURNISH COMPLETE WITH SWIVEL HANGER STEMS, LENGTH AS REQUIRED TO MOUNT BELOW PIPING, DUCT, CABLE RACKS, ETC., MINIMUM 7'-8"H. MAINTAIN UNIFORM MOUNTING HEIGHT OF ALL LUMINAIRES THROUGHOUT EACH AREA.
11. PROVIDE UNSWITCHED HOT TO EMERGENCY BATTERY. BATTERY SHALL OPERATE ONLY DURING LOSS OF POWER TO UNSWITCHED HOT.

12. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AN ALTERNATE PRICE TO REPLACE ALL FIXTURE TYPE "A" AND "A1" UTILITY GRANVILLE METAL HALIDE LUMINAIRE HEADS WITH INDICATED GRANVILLE II LED LUMINAIRE HEADS. NORTH YORKSHIRE POLES SPECIFIED WITH FIXTURE TYPE "A1" REMAIN.

13. PROVIDE POLE BASE PER DETAIL "F-1" IN SPECIAL PROVISION 8000.

NO.	△
Revision	Change Notes
Date	6/14/2012
By	-



CHANGE NOTES SHEET E3

Holmes Avenue and Washington Street Streetscape Improvements
CITY OF HUNTSVILLE
HUNTSVILLE, AL

DATE: JUNE 14, 2012

LAND DESIGN SOLUTIONS

4906 LINDA STREET
HUNTSVILLE, ALABAMA 35811

PH 256-714-1470

LUMINAIRE SCHEDULE

MARK LAMPS-SEE NOTES
NO. WATTS TYPE

DESCRIPTION

A 1 175 d
POLE MOUNTED METAL HALIDE LUMINAIRE, SINGLE HEAD, TYPE III DISTRIBUTION, UTILITY GRANVILLE LEAF HOUSING, NO RIBS AND BANDS, PAINTED CAST ALUMINUM STANDARD FINIAL, TIGER DRYLAC COLOR, NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE, 120V; NOTE 13

HOLOPHANE NO. GVL-175PM-12-RAL6015-3-N-S-RAL6015-H-S-64319.

A1 1 175 d
POLE MOUNTED METAL HALIDE LUMINAIRE, SINGLE HEAD, TYPE III DISTRIBUTION, UTILITY GRANVILLE LEAF HOUSING, NO RIBS AND BANDS, PAINTED CAST ALUMINUM STANDARD FINIAL, TIGER DRYLAC COLOR, NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE, MOUNTED ON NORTH YORKSHIRE ALUMINUM POLE, 17' BASE, 12'-0" HEIGHT, 3 X 3 TENDON, ANCHOR BOLTS, GALVANIZED STEEL, WEATHERPROOF RECEPTACLE WITH IN-USE WET LOCATION COVER, CAST ALUMINUM BANNER ARM, (2) BOLT ON PLANTER ARMS @ 180°, 24", HALF SPHERE, 1" DIAMETER WITH EYEBOLT AND IRRIGATION HOLES, CUSTOM COLOR RAL6015, 120V; NOTE 13

HOLOPHANE NO. GVL-175PM-12-RAL6015-3-N-S-RAL6015-H-S-64319.

HOLOPHANE POLE NO. NYA-12-F4C-17-P07-ABG-TDC-R132C-S120B-S120D-FGUS-STDG-2PBA-24-H-4-RAL6015.

B 1 400 d
POLE MOUNTED METAL HALIDE LUMINAIRE, SINGLE HEAD, TYPE IV DISTRIBUTION, VERTICAL LAMP, HOLOPHANE RAL6015 POLYESTER POWDER COAT FINISH, SPIKE FINIAL, NEMA TWIST LOCK PHOTOCELL, U.L. LISTED WET LOCATION, MOUNTED ON 18'-0" TALL DECORATIVE FLUTED POLE AND BASE PROVIDED BY OTHERS, COORDINATE POLE WITH TRAFFIC SIGNAL PLANS, 120V;

HOLOPHANE NO. WE-400PM-MA-RAL6015-4-RAL6015-4-H-S-64321.

LED (WITH UNIT)
POLE MOUNTED LED LUMINAIRE, SINGLE HEAD, TYPE III DISTRIBUTION, LEAF STYLE - SWING OPEN DESIGN, NO TRIM, PAINTED CAST ALUMINUM STANDARD FINIAL, TIGER DRYLAC COLOR, 4000 SERIES CCT, 80W 4000MG DRIVER, NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE, 120V; NOTE 12

HOLOPHANE NO. GVD-80-4K-AS-T-RAL6015-3-N-S-RAL6015-H.

NO.	1	Change Schedule	6/14/2012	-
Revision				

CHANGE SCHEDULE SHEET E3

Holmes Avenue and Washington Street Streetscape Improvements
CITY OF HUNTSVILLE
HUNTSVILLE, AL

PROJECT #55-11-0P26

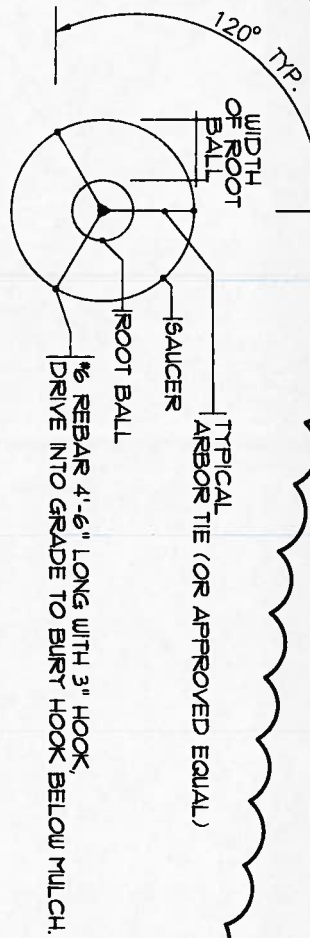
DATE: JUNE 14, 2012

LAND DESIGN SOLUTIONS

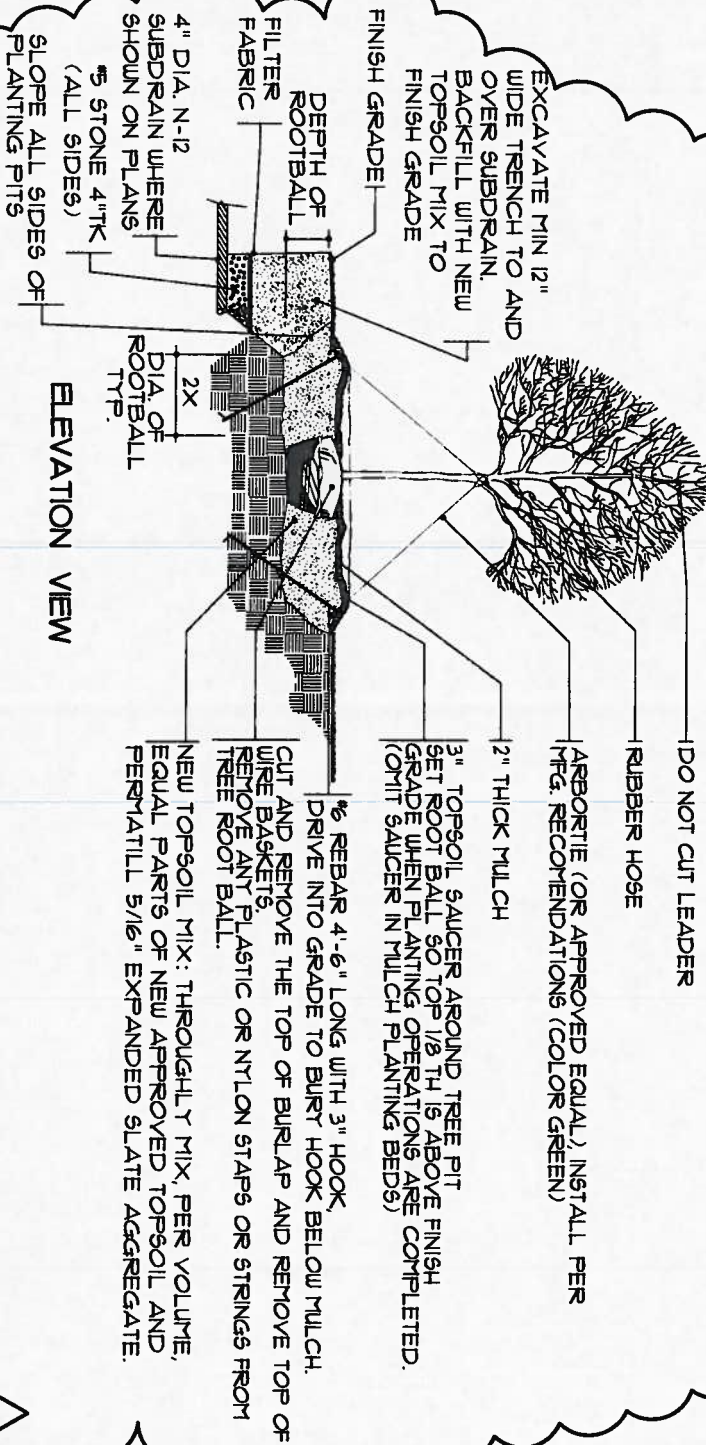
6996 LINDA STREET
HUNTSVILLE, ALABAMA 35811

PH 256.714.1470

SCHOEL
ARCHITECTURE
• • • • •
LLC



PLAN VIEW



ELEVATION VIEW

B TREE PLANTING DETAILS (LAWN AND BED AREA)

NOT TO SCALE

1

NO.	Added Detail "B", Sheet C20	6/14/2012	WTM
Revision			By

DETAIL "B", SHEET C20

Holmes Avenue and Washington Street Streetscape Improvements
CITY OF HUNTSVILLE
HUNTSVILLE, AL

DATE: JUNE 14, 2012

PROJECT 95-11-0026

LAND DESIGN SOLUTIONS

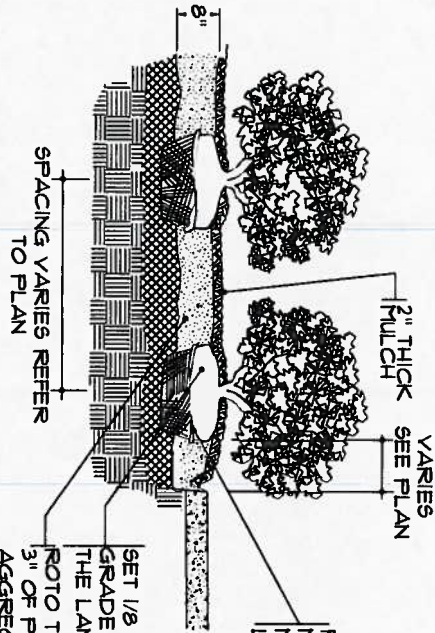
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HUNTSVILLE, ALABAMA 35811

PH 256.714.1470



SHRUB PLANTING DETAIL

NOT TO SCALE



REMOVE BURLAP FROM TOP 1/3 OF B&B MATERIAL. FOR CONTAINER MATERIAL MASSAGE ROOTBALL TO LIGHTLY LOOSEN OUTSIDE LAYER OF ROOTS.

SET 1/8 OF ROOT BALL ABOVE FINISH GRADE UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT

ROTO TILL EXISTING SOIL TO A DEPTH OF 8". PLACE 3" OF PERMATILL 5/16" EXPANDED SLATE AGGREGATE OVER THE ROTO TILLED AREA. COMPLETELY ROTO TILL IN THE PERMATILL 5/16" EXPANDED SLATE AGGREGATE TO AN 8" DEPTH. FINISH GRADE AS PER GRADING PLAN. RAKE SURFACE SMOOTH AND INSTALL PLANTS AS SPECIFIED.

STALITE PERMATILL HORTICULTURAL AGGREGATES
(877)-131-6284
205 KLUMAC ROAD
SALIBURY, NC 28145
WWW.PERMATILL.COM

NO.	Added Detail "A", Sheet C20	6/14/2012	WTM
Revision		Date	By

DETAIL "A", SHEET C20

Holmes Avenue and Washington Street Streetscape Improvements
CITY OF HUNTSVILLE
HUNTSVILLE, AL

PROJECT 99-11-0P26

DATE: JUNE 14, 2002

LAND DESIGN SOLUTIONS

4996 LINDA STREET
HUNTSVILLE, ALABAMA 35811

PH 256 714 1470